

AUDIO COMMUNICATION SYSTEM FOR A COMPUTER NETWORK

Abstract Of The Disclosure

5 A two-way audio communication system is designed to
allow basic audio communication between two users on a common
computer network. The audio communication system of the
present invention is designed to work in the background of
the computer, so the user can work on other software
applications simultaneously. In a half-duplex embodiment
(i.e., only one user can talk at a time), if at least two
10 users try to talk at the same time, an arbitration scheme is
employed to settle the dispute. The winner of the
arbitration can send a message, and the loser's message is
discarded. The communication system reduces the time delay
between when a message is sent on one end, and received at
15 the other. In addition, the system provides for high quality
audio reproduction of the message on the other end by
minimizing the number of audible gaps or other artifacts
transmitted along with the message.

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